SERPİL KARABÜKLÜ

Toyota Technological Institute at Chicago
6045 S Kenwood Ave, Room 435
Chicago, IL, 60637, USA

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APPOINTMENTS

2024 -   **Postdoctoral Researcher**
Toyota Technological Institute at Chicago
Project: Benchmark to Assess the Performance of Sign-Based Models
PI: Greg Shakhnarovich, Karen Livescu, Diane Brentari

2022 - 2024 **Postdoctoral Researcher**
Department of Linguistics, University of Chicago
Project: National Science Foundation (NSF) – Two Verb Predicates in Sign Languages:
Typological Variation and Emergence
PI: Diane Brentari

EDUCATION

2016 - 2022 **PhD in Linguistics**
Purdue University, USA
Thesis: Modal Signs and Co-occurring Nonmanual Markers in Turkish Sign Language (TİD)
Committee: Ronnie Wilbur (chair), Elaine Francis, Lori Czerwionka, Daniel Hole

2013 - 2016 **MA in Linguistics**
Boğaziçi University, Turkey
Thesis: Time and Aspect in Turkish Sign Language (TİD): Manual and Nonmanual Realizations of
'finish'
Committee: Meltem Kelepir (chair), Aslı Göksel, Engin Arık

2008 - 2013 **BA (Hons) in Foreign Language Education**
Minor in Linguistics
Boğaziçi University, Turkey

RESEARCH INTERESTS

Sign languages, computational modeling, multimodality, gestures, language emergence

FELLOWSHIPS & AWARDS

2025 University of Chicago Center for Gesture, Sign, and Language grant (2500$)
'Effects of animacy on the organization of verb meaning across sign languages'
PIs: Serpil Karabüklü, Jeffrey Davis, Austin German

2024 Human Sentence Processing (HSP) conference travel grant
German Linguistic Society (DGfS) conference travel grant

2022 PROMISE Award for participant payments, College of Liberal Arts, Purdue University

2021 Ross-Lynn Research Scholar Fund, Purdue University (20,000$)
'Nonmanual Markers Occurring with Modal Signs in Turkish Sign Language (TİD)'
PI: Serpil Karabüklü

    Susan Bulkeley Butler Center Travel Award
    Kneale Literary Award - Linguistics

2019 PROMISE Award to attend TISLR conference, College of Liberal Arts, Purdue University
Funding for field research, School of Interdisciplinary Studies (SIS), Purdue University
Travel Grant to attend FEAST conference, SIS, Purdue University

2018 Funding for field research, School of Interdisciplinary Studies, Purdue University
Travel Grant to attend FEAST conference, SIS, Purdue University
Funding for research purposes, Linguistics Program, Purdue University

2016 PROMISE Award to attend FEAST conference, College of Liberal Arts, Purdue University
Lynn Doctoral Fellowship, Graduate School, Purdue University (20,000$)

2015 Funding to attend the COST Sign Language Linguistics Summer School, EU COST Action IS1006

PUBLICATIONS

Manuscripts in progress   (*= equal contribution)

in rev. **Karabüklü, S.** Modal Force and Flavor in Turkish Sign Language (TİD). *Sign Language and Linguistics*

in rev. **Karabüklü, S**. & Brentari, D. Enhanced Simultaneous Articulation Also Enhances Semantic Capability in Sign Languages.

in prep. Gueuwou, S., **Karabüklü, S.**, Misra, K., Livescu, K., & Shakharanovich, G. Targeted Linguistic Analysis of Sign Language Models.

Journal Articles & Peer-Reviewed Proceedings

2025 Gürer, A., **Karabüklü, S**., & Çavuşoğlu, B. Duration as a prosodic cue in TİD: Focus realization in the extended domain. *Glossa. A journal of general linguistics*, 10(1). https://doi.org/10.16995/glossa.17475

2025 **Karabüklü, S***., Wood, S*., Bradley, C., Wilbur, R. & Malaia, E. Effect of sign language learning on temporal resolution of visual attention. *Journal of Vision,* 25(1):3. https://doi.org/10.1167/jov.25.1.3

2024 **Karabüklü, S.** Simultaneity of Certainty in Turkish Sign Language (TİD). *Journal of Pragmatics,* 232:141-166, https://doi.org/10.1016/j.pragma.2024.08.010

2024 **Karabüklü, S.** & Gürer, A. The Prosody of Focus in Turkish Sign Language (TİD). *Language and Cognition*, 1–34. https://doi.org/10.1017/langcog.2024.4

2023 Gürer, A. **& Karabüklü, S.** Non-manual Focus Markers in Turkish Sign Language (TİD). *Proceedings of TU+ 7 Workshop.* 32-45. https://doi.org/10.3765/ptu.v7i1.5321.

2021 **Karabüklü, S** & Wilbur, R. B. Marking various aspects in TİD: BİT (finish) and 'bn', *Sign Language and Linguistics* 24:2, 182-225. https://doi.org/10.1075/sll.20006.kar

2020 Eryiğit, G., Eryiğit, C., **Karabüklü, S.,** Kelepir, M., Özkul, A., Pamay, T., Torunoğlu-Selamet, D., Köse, H. Building the first comprehensive machine-readable Turkish sign language resource: methods, challenges and solutions, *Language Resources and Evaluation* 54: 97-121. https://doi.org/10.1007/s10579-019-09465-5

2020 **Karabüklü, S** & Wilbur, R. B. Seeing Possible Worlds, In *Proceedings of Chicago Linguistic Society 55th Meeting,* 189-204

2018 **Karabüklü, S.** Strategies to express time in a tenseless language: Turkish Sign Language (TİD), *Dilbilim Araştırmaları Dergisi [Journal of Linguistics Research]* 29/1: 87-118. https://doi.org/10.18492/dad.373461

2018 **Karabüklü, S.,** Bross, F., Wilbur, R. B., Hole D. Modal Signs and Scope Relations in TİD, *In Proceedings of Formal and Experimental Advances in Sign Language Theory (FEAST)* 2: 82-92. https://doi.org/10.31009/FEAST.i2.07

2017 **Karabüklü, S.** One function or labor division: Two aspect signs in TİD, *In Proceedings of 12th Workshop on Altaic Formal Linguistics (WAFL12)*

2016 Eryiğit, C., **Karabüklü, S.,** Özkul, A., Torunoğlu-Selamet, D., Köse, H., Eryiğit, G., Kelepir, M. Özsoy, A.S. Türk İşaret Dili sözcüklerin çevirimiçi ortamda birleştirilmesi çalışmaları (The study of unifying Turkish Sign Language (TİD) dictionaries in online environment), In B. Savaş, D. Yüksel, D. Fidan, B. Öztürk B. İ. Karagül, (Eds.) *29. Ulusal Dilbilim Kurul tayı Bildirileri (29th National Linguistics Meeting)*, 155-162

2016 Camgöz, N. C., Kındıroğlu, A., **Karabüklü, S.,** Kelepir, M., Özsoy, A. S., Akarun, L. BosphorusSign: A Turkish Sign Language Recognition Corpus in Health and Finance Applications, *In 10th Edition of the Language Resources and Evaluation Conference (LREC)*

Edited Volumes

2025 Kimmelman, V., Oomen, M., Zorzi, G., **Karabüklü, S**., Navarrete González, A., Parini, A., & Veiga Busto, R. Proccedings of Formal and Experimental Advances in Sign Language Theory (FEAST), vol 6.

Book Reviews

2023 **Karabüklü, S.** Review of Pfau R, Göksel A, and Hosemann J (2021). *Our Lives - Our Stories. Life Experiences of Elderly Deaf People. Sign Language & Linguistics.* https://doi.org/10.1075/sll.00073.kar

PRESENTATIONS

Invited Presentations

2025 **Karabüklü, S.** Prominence in Simultaneity: Instrumentality, Typicality, and Functionality in ASL and TİD. Talk presented at the Center for Gesture, Sign, and Language, Oct 17.

2025 **Karabüklü, S**. What is the role of Head Nod in Turkish Sign Language (TİD): Signer Certainty, Confirmation, or Verum? Talk presented at Tu+ 10: The 10th Workshop on Turkic and Languages in Contact with Turkic, Los Angeles, CA, Mar 1-2.

2024 **Karabüklü, S**. Focus realization in the extended domain. Talk presented at Max Planck Institute for Psycholinguistics Multimodal Language Department, Nijmegen, The Netherlands, Dec 5.

2024 **Karabüklü, S**. (A)typicality in Manual and Nonmanual Channels. Talk presented at Wichita State University Department of Modern Languages and Cultures, Wichita, KS, Mar 8.

2024 **Karabüklü, S**. Effects of Atypicality in Manual and Nonmanual Domains. Talk presented at Southern Illinois University Department of Languages and Cultures, Carbondale, IL, Jan 18.

2023 **Karabüklü, S**. Accommodations to Atypicality: Role of Nonmanuals. Talk presented at Boğaziçi University Department of Linguistics, İstanbul, Turkey, Nov 24.

2023 **Karabüklü, S.** Effects of Head Nod and Eye Squint on Signer Certainty in Turkish Sign Language (TİD). Talk presented at the University of Texas at Austin Department of Linguistics Austin, TX, USA, Mar 22.

2022 **Karabüklü, S.** Nonmanuals and Signer Certainty in Turkish Sign Language (TİD). Talk presented at the University of Edinburgh Department of Linguistics Edinburgh, UK, Nov 28.

Refereed Conference Presentations

2026 **Karabüklü, S.** & Brentari, D. Simultaneous Articulation in Sign Languages Enhances Semantic Capabilities. Talk will be presented at the Annual Conference of Linguistic Society of America (LSA), Jan 8-11.

2025 **Karabüklü, S.** Form and Meaning Relations of Head Nods Across Sign Languages: A Pose Estimation Study. Talk presented at Sign Language Grammars, Parsing Models, & the Brain, Nov 6-7.

2025 **Karabüklü, S.** Changes in perception and cognition in signers and learners due to physical and linguistic properties of sign language signal. Presented at Perceiving Motion, Producing Meaning: How Sign Language Rewires the Body and Brain at 2025 APS Global Psychological Science Summit, Oct 21-23

2025 Roolefsen, F., Baills, F., Barberà, G., van Boven C., Veiga Busto, R., Costello, B., Esselink, L., Heim, J., Herrmann, A., **Karabüklü, S.**, Kimmelman, V., Lackner, A., Lombart, C., Loos, C., Meister, N. K., Paulus, L., Navarette-González, A., Prieto, P., Repp, S., Rohrer, P. L., de Ronde, T., Wolfe, R., Woods, R., Zorzi, G. & Oomen, M. ANM: Developing an Annotation standard for Non-Manual elements in visual communication. International and cross-disciplinary collaboration at *ISGS 10: International Society in Gesture Studies*, Nijmegen, The Netherlands, July 9-11.

2025 **Karabüklü, S**. & Gürer, A. Prosody of Focus in Extended Domain in Turkish Sign Language (TİD). Talk presented at Multimodal Prosody Symposium at ISGS 10: International Society in Gesture Studies, Nijmegen, The Netherlands, July 9-11.

2025 **Karabüklü, S.**, & Brentari, D. Accommodation in atypical situations: Crosslinguistic production and perception studies. *Theoretical Issues in Sign Language Research 15 (TISLR 15)*, Ethiopia, Jan 14-17.

2024 **Karabüklü, S.**, & Brentari, D. Accommodation in atypical situations: Crosslinguistic production and perception studies. *Formal and Experimental Studies in Sign Language Theory 2024 (FEAST 2024)*, Ann Arbor, MI., USA, Aug 6-8.

2024 Gürer, A**., Karabüklü, S.**, & Çavuşoğlu, B. Focus prominence in focal and non-focal domains in Turkish Sign Language (TİD). *Formal and Experimental Studies in Sign Language Theory 2024 (FEAST 2024)*, Ann Arbor, MI., USA, Aug 6-8, [poster].

2024 **Karabüklü, S.**, & Brentari, D. More cues are not always "better": Resolving instrument atypicality in the visual domain. *The 37th Annual Conference Human Sentence Processing*, Ann Arbor, MI., USA, May 16-18, [poster].

2024 **Karabüklü, S.** & Wilbur, RB. Novel marking of signer commitment in Turkish Sign Language (TİD). *The 46th Annual Conference of German Linguistic Society (DGfS 46), The Workshop Clause-type Marking in the Visual Domain,* Bochum, Germany Feb 28-Mar 1.

2024 **Karabüklü, S.**, Gürer, A., Çavuşoğlu, B. Focus and givenness in Turkish Sign Language (TİD). *The 46th Annual Conference of German Linguistic Society (DGfS 46), The Workshop Prosody in Focus – Prominence Marking from Multiple Perspectives,* Bochum, Germany, Feb 28-Mar 1.

2024 **Karabüklü, S.** Simultaneity and certainty in Turkish Sign Language (TİD). *The 98th Annual Meeting of Linguistic Society of America (LSA 98),* New York, NY., USA, Jan 4-7.

2024 **Karabüklü, S.**, Brentari, D., Hakgüder, E. A crosslinguistic study of signers' accommodations to atypicality: Effects of simultaneity. *The 98th Annual Meeting of Linguistic Society of America*, New York, NY., USA, Jan 4-7.

2023 **Karabüklü, S.** Strategies to convey signer certainty in Turkish Sign Language (TİD)? *XPRAG X. The 10th Biennial Meeting of Experimental Pragmatics*. Paris, France, Sep 20-22, [poster].

2023 **Karabüklü, S.** Where do nonmanuals live? Experimental study on signer certainty in Turkish Sign Language (TİD)? *Sinn und Bedeutung 28. Special Session on Semantics and Pragmatics of Co-Speech/Co-Sign*

Communication. Ruhr Universitat Bochum, Germany, Sep 5-8, [poster].

2023 **Karabüklü, S.** Evidential Restriction on Epistemic Signs: Experimental Study in Turkish Sign Language (TİD), *the Workshop on Modality in Underdescribed Languages (WMUL)*, Humbodlt University, Berlin, Germany, Apr 20-22.

2023 **Karabüklü, S.** LAZIM in TİD: Lexical Borrowing Comes with Structure. Coexistence, Competition, and Change, The 45th Annual Meeting of German Linguistics Society (DGfS 2023), Frankfurt University, Frankfurt, Germany, Mar 8-10.

2022 Gürer, A. & **Karabüklü, S.** Non-manual Focus Markers in Turkish Sign Language (TİD), Seventh Workshop on Turkic and Languages in Contact with Turkic (Tu+7), the University of Connecticut, Connecticut, USA, Feb 18-19.

2022 Kentner, A., **Karabüklü, S.,** Wilbur, R. B. An Articulatory Model for Annotating Non-manual Markers in Sign Languages, the 96th Annual Meeting of Linguistic Society of America, Washington, DC., USA, Jan 6-9.

2019 Özkul, A. & **Karabüklü, S.** A Morphological Analysis of Number Signs in TİD, Theoretical Issues in Sign Language Research, Hamburg, Germany, Sep 26-28, [poster]

2019 **Karabüklü, S** & Wilbur, R. B. Is the mouth marking evidential in Turkish Sign Language (TİD)? Expressing Evidence Workshop, Konstanz, Germany, Jun 6-8.

2019 **Karabüklü, S** & Wilbur, R. B. Seeing Possible Worlds, Chicago Linguistics Society 55th Meeting, Chicago, IL, USA, May 16-18.

2018 **Karabüklü, S** & Wilbur, R. B. Cinque's Hierarchy and Its Mapping in Sign Languages, Sign Language Grammars Through the Formal and Experimental Glass, Crete, Greece, Jul 25, [poster].

2018 **Karabüklü, S.,** Bross, F., Wilbur, R. B., Hole, D. Modal signs and scope relations in TİD, Formal and Experimental Advances in Sign Language Theories, Venice, Italy, Jun 18-21, [poster]

2018 Crabtree, M. R., **Karabüklü, S.,** Wilbur, R.B. Looking for Sign Language Universals in JSL Modals, The 7th Meeting of Signed and Spoken Language Linguistics, Osaka, Japan, Sep 28-30.

2016 **Karabüklü, S.** Revisiting the non-manual marker 'bn' in TİD, Formal and Experimental Advances in Sign Language Theory (FEAST), Venice, Italy, Sep 1-2.

2016 **Karabüklü, S.** A Semantic Analysis of Perfective Markers in TİD, 12th Workshop on Altaic Formal Linguistics, Central Connecticut State University, Hartford, CT, USA, May 12-15

2015 **Karabüklü, S.,** Derici, C., Kelepir, M., Özsoy, A. S., Güngör, T. Türk İşaret Dili (TİD) Kullanıcılarının Türkçe Okuma Yazma Becerilerinin Geliştirilmesi için Malzeme (A material to develop TİD signers' Turkish reading and writing skills), 2015 International Congress on Barrier-Free Information Technology (BİLTEVT 2015), Celal Bayar University, Manisa, Turkey, Sep. 2-4,

2015 **Karabüklü, S.** Description of A Perfective Marker in Turkish Sign Language (TİD), Formal and Experimental Advances in Sign Languages Theory (FEAST), University of Pompeu Fabra, Barcelona, Spain, May 4-6 [poster]

TEACHING EXPERIENCE

University of Chicago, Linguistics Department

2025-Fall   Group Lead for LING 23360: Methods in Gestures & Sign Language Research

Purdue University, Linguistics Department

2019-Fall   Primary Instructor for LING 201: Introduction to Linguistics

2018-Spring   Primary Instructor for LING 201: Introduction to Linguistics

Guest Lectures

2022 Dec.   **Karabüklü, S.** Strategies to Express Time in a Tenseless Language: Turkish Sign Language (TİD), *ELL 417: Language Across Modalities,* Istanbul Bilgi University, Istanbul, Turkey.

2022 Nov.   Barutçu, C & **Karabüklü, S**. Deaf Community and TİD in Turkey, *LING 260: American Deaf Community: Language, Culture, and Society,* University of Chicago, Chicago, IL, USA.

2021 Sep.   **Karabüklü, S**. Annotation Tools in Sign Language Linguistics, *ASL 361: The Structure of ASL I: Phonology and Morphology,* Purdue University, West Lafayette, IN, USA.

2019 Nov**.**   **Karabüklü, S**. Phonology in Sign Languages, *LING 311: Fundamentals of Phonology and Morphology,* Purdue University, West Lafayette, IN, USA.

2016 Sep.   **Karabüklü, S**. Testing lexical and viewpoint aspect in Turkish Sign Language (TİD), *LING 321: Foundations of Syntax and Semantics,* Purdue University, West Lafayette, IN, USA.

Nesin Math Village, Linguistics Summer School

2017 Aug   Primary Instructor for Sign Language Linguistics (with Süleyman Taşçı)

Boğaziçi University, Turkish Language and Culture Program

2012-2014   Summer Teaching Assistant for Turkish Classes

ACADEMIC SERVICE

Editorial Board Member – Proceedings of Formal and Experimental Advances in Sign Language Theory (FEAST)

Reviewer – *Springer Nature, Language and Speech, Sign Language & Linguistics Journal, Language and Cognition Journal, The Croatian Review of Rehabilitation Research, Special Issue: Sign Language, Deaf Culture, and Bilingual Education, Journal of Portuguese Linguistics, Languages*

Abstract Reviewer – *Human Sentence Processing Conference (HSP)*, *Architectures and Mechanisms for Language Processing (AMLAP)*, *FEAST Conference*, *TISLR Conference*, *Chicago Linguistic Society (CLS) Conference, Linguistics Society of America Annual Meeting (LSA), Tu+ Turkic Languages Conference, Purdue Linguistics Symposium, Bogazici University Student Conference (SCOL)*

Organizer – *FEAST Conference Steering Committee Member (2024), Turkish Sign Language Research Workshop (2020-2022)*

Judge – *Purdue Undergraduate Research Symposium (2019-2021)*

Abstract Co-chair -*Purdue Linguistics, Literature and Second Language Studies Conference (2019)*

Vice President - *Purdue Linguistics Association (2019)*

Grant Reviewer – *LSA First Generation Access & Equity Travel Assistance (2024)*, *Purdue Graduate Student Government (2019-2021)*

NON-DEGREE STUDY

2024   Philippe Schlenker's Semantics After Multimodality Minicourse

2023   Inclusion in Practice Workshop, Office of the Provost, University of Chicago

2021   Safe Zone Training, LBTQ Center, Division of Diversity and Inclusion, Purdue University
        Bystander Training, Division of Diversity and Inclusion, Purdue University
        32nd European Summer School on Logic, Language, and Information

2020   fMRI secondary operator training, Purdue MRI Center, Purdue University

2015   COST SignGram Summer School, Universitat Pompeu Fabra, Barcelona

2014   COST SignGram Summer School, Ca' Foscari University, Venice

PROFESSIONAL MEMBERSHIPS

Sign Language and Linguistics Society
Linguistic Society of America
German Linguistic Society (DGfS)
Linguistic Society of America First Generation Access and Equity Committee
The ROLE Collective

SKILLS

Languages: Turkish (native), English (fluent), Turkish Sign Language (TİD) (advance), American Sign Language (ASL) (advance)

Fieldwork: American Sign Language (ASL), Nicaraguan Sign Language (LSN), Hong Kong Sign Language (HKSL)

Technical: R, PCIbex, Latex, SPSS